

Claims:

1. A method for use in a digital mobile station (MS) operating in a wireless communication network, which mobile station (MS) comprises at least one or more digital signal processors (DSP) or corresponding processing means to generate a digital transmission signal flow (DTR) for a wireless transmission connection to be used in said communication network, comprising the steps of:
- generating a video signal in said mobile station (MS) by
controlling said at least one or more digital signal processors (DSP) or corresponding processing means to generate, instead of the transmission signal flow (DTR), one or more digital video signal flows (DCV, DV) from image material stored in or transmitted into the memory (MEM) of the mobile station (MS).
2. The method according to claim 1, wherein said at least one or more digital video signal flows (DCV, DV) are formed from the image material contained in the mobile station (MS) one image at a time in such a way that in a single image, the conversion to the video signal is performed image line by image line.
3. The method according to claim 1, wherein said one or more digital video signal flows (DV) are led to a digital video output (Vout) of the mobile station (MS).
4. The method according to claim 3, wherein said digital video output (Vout) is arranged according to the IEEE 1394 standard.
5. The method according to claim 3, wherein said digital video output (Vout) is arranged to be suitable for a digital television environment.
6. The method according to claim 1, wherein said one or more digital video signal flows (DCV) are converted in the mobile station (MS) to one or more analog video signals (ACV) which is/are further led to an analog video output (Vout) of the mobile station (MS).

7. The method according to claim 6, wherein said one or more digital video signal flows (DCV) are converted in the mobile station (MS) to one or more analog video signals (ACV) by using substantially the same conversion means (D/A) which are used in the mobile station (MS) to convert an analog transmission signal (ATR) from a digital transmission signal flow (DTR) for a wireless connection in a communication network.

8. The method according to claim 7, wherein said one or more analog video signals (ACV) are led to the video output (Vout) of the mobile station by simultaneously disconnecting said conversion means (D/A) off from the radio frequency part (RF) or corresponding transmission means of the mobile station (MS).

9. The method according to claim 6, wherein said analog video output (Vout) is arranged on the basis of a composite video signal.

10. The method according to claim 9, wherein said analog video output (Vout) is arranged according to one of the following systems : PAL, NTSC or SECAM system.

11. The method according to claim 3, wherein before leading said one or more digital video signal flow (DV) to the video output (Vout), said one or more signal (DV) is amplified in an adapter (INF) or corresponding means.

12. The method according to claim 6, wherein before leading said one or more analog video signal (ACV) to the video output (Vout), said one or more signal (ACV) is amplified in an adapter (INF) or corresponding means.

13. The method according to claim 6, wherein the coupling impedance of said analog video output (Vout) is matched in an adapter (INF) or corresponding means.

14. A digital mobile station (MS) operating in a wireless communication network, which mobile station (MS) comprises:

a memory (MEM); and
at least one or more digital signal processors (DSP) or
corresponding processing means to generate a digital transmission
signal flow (DTR) for a wireless transmission connection to be used in
5 said communication network, wherein for generating a video signal in
said mobile station (MS), said at least one or more digital signal
processors (DSP) or corresponding processing means are controlled to
generate, instead of the transmission signal flow (DTR), one or more
digital video signal flows (DCV, DV) from image material stored in or
10 transmitted into the memory (MEM) of the mobile station (MS).

15. The mobile station (MS) according to claim 14, wherein said one or
more digital signal processors (DSP) or corresponding processing
means are arranged to generate said one or more digital video signal
15 flows (DCV, DV) from image material contained in the mobile station
(MS) one image at a time in such a way that in a single image, the
conversion to the video signal is made image line by image line.

16. The mobile station (MS) according to claim 14, wherein said one or
20 more digital video signal flows (DV) are arranged to be led to the digital
video output (Vout) of the mobile station (MS).

17. The mobile station (MS) according to claim 16, wherein said digital
video output (Vout) is arranged to be formed according to the IEEE
25 1394 standard.

18. The mobile station according to claim 16, wherein said digital video
output (Vout) is arranged to be suitable for a digital television
environment.

30 19. The mobile station (MS) according to claim 14, wherein the mobile
station (MS) comprises means for converting said one or more digital
video signal flows (DCV) to one or more analog video signals (ACV)
and for conducting said signal/signals further to an analog video output
35 (Vout) of the mobile station (MS).

20. The mobile station (MS) according to claim 19, wherein said one or more digital video signal flows (DCV) are converted in the mobile station (MS) to one or more analog video signals (ACV) by using substantially the same conversion means (D/A) which are used in the mobile station (MS) to convert a digital transmission signal flow (DTR) into an analog transmission signal (ATR) for a wireless connection in a communication network.

21. The mobile station (MS) according to claim 20, wherein the mobile station (MS) also comprises a switching means (S) for leading said one or more analog video signals (ACV) to the video output (Vout) of the mobile station, the switching means (S) being thus also arranged to disconnect said conversion means (D/A) off from the radio frequency part (RF) or corresponding transmission means of the mobile station (MS).

22. The mobile station (MS) according to claim 19, wherein said analog video output (Vout) is arranged to be formed on the basis of a composite video signal.

23. The mobile station (MS) according to claim 22, wherein said analog video output (Vout) is arranged to be formed according to one of the following systems: PAL, NTSC or SECAM system.

24. The mobile station (MS) according to claim 16, wherein the mobile station (MS) also comprises an adapter (INF) or corresponding means for amplifying said one or more digital video signal flows (DV) before said one or more signals are led to the digital video output (Vout) of the mobile station.

25. The mobile station (MS) according to claim 19, wherein the mobile station (MS) also comprises an adapter (INF) or corresponding means for amplifying said one or more analog video signals (ACV) before said one or more signals are led to the analog video output (Vout) of the mobile station.

26. The mobile station (MS) according to claim 25, wherein said adapter (INF) or corresponding means are arranged to match the coupling impedance of said analog video output (Vout).
- 5 27. The mobile station (MS) according to claim 14, wherein the mobile station (MS) is arranged to operate in one or more of the following wireless networks: GSM, GPRS, PDC, CDMA IS-95, TDMA IS-136, WCDMA, or CDMA-2000.
- 10 28. Application software embodied in a computer readable medium for a digital mobile station (MS), which mobile station (MS) comprises at least one or more digital signal processors (DSP) or corresponding processing means to generate a digital transmission signal flow (DTR) for a wireless transmission connection to be used in the communication
- 15 network, wherein said application software when loaded in the mobile station (MS) and executed in the mobile station (MS) is arranged to control said at least one or more digital signal processors (DSP) or corresponding processing means to generate, instead of the transmission signal flow (DTR), one or more digital video signal flows (DCV, DV) from image material stored in or transmitted into the
- 20 memory (MEM) of the mobile station (MS).
29. The application software according to claim 28, wherein the application software is arranged to lead said one or more digital video signal flows (DV) to the digital video output (Vout) of the mobile station
- 25 (MS).
30. The application software according to claim 29, wherein the application software is arranged to control the conversion of said one or more digital video signal flows (DCV) to one or more analog video signals (ACV) in the mobile station (MS), and to conduct said signal/signals further to the analog video output (Vout) of the mobile station (MS).
- 30 31. A system for displaying visual information, the system comprising a digital mobile station (MS) and at least one external audiovisual device (AV) coupled to said mobile station (MS) in order to display image
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material stored in or transmitted into the memory (MEM) of the mobile station (MS), wherein the one or more digital signal processors (DSP) or corresponding processing means comprised in the mobile station (MS) and which are during a wireless transmission connection arranged to generate a digital transmission signal flow (DTR), are instead of said digital transmission signal flow (DTR) controlled to generate one or more digital video signal flows (DCV, DV) from the image material stored in or transmitted into the memory (MEM) of the mobile station (MS), and that the mobile station (MS) further comprises means for conducting said one or more digital video signal flows (DCV,DV) to said at least one external audiovisual device (AV) via an digital or analog video signal (DV,ACV) output (Vout).

32. The system according to claim 31, wherein said audiovisual device (AV) is a television set, a monitor, a data or video projector, a video recorder, a DVD device, a computer, or another display device or video signal recording device equipped with an analog or digital video input (Vin).